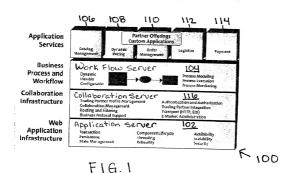
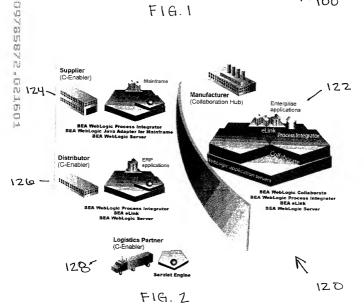
Tidle PLUGGABLE HUB SYSTEM FOR ENTERPRISE WIDE ELECTRONIC.
Docket No.: BEAS-010301S4
Serial No.: Unknown
Confirm No.: Unknown
Filed: Herewith
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Title: PLUGGABLE HUB SYSTEM FOR ENTERPRISE WIDE ELECTRONIC Docket No. BEAS-01033US4 Inventor(s): Rocky Stewart, et al. Serial No.: Unknown Confirm No: Unknown Fhone: Karf Kernar Flied: Herewith Express Mail No.: ELG22695252US mvemor(s): Rocky Stewart, et al.
Agent: Karl Kenna
Phone: (415) 362-3800
Express Mail No.: EL622695252US
Sheet 2 of 18

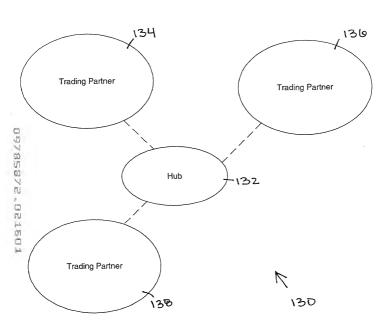
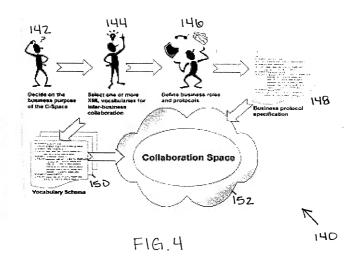


FIG. 3

Title PLUGGABLE HUB SYSTEM FOR ENTERPRISE WIDE ELECTRONIC.
Docket No.: BEAS-01033US4
Serial No.: Unknown
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Confirm No: Unknown
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Title-PLUGGABLE HIJB SYSTEM FOR ENTERPRISE WIDE ELECTRONIC.
Docket No.: BEAS-01033U84
Serial No.: Unknown
Confirm No: Unknown
Filed: Herewith Express Mail No.: EL622695252US
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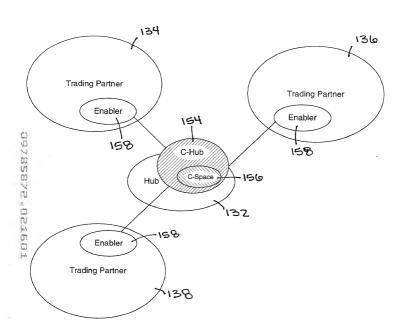
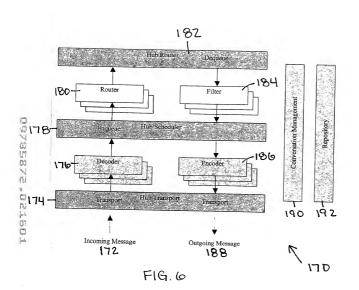


FIG. 5

Title: PLUGGABLE HUB SYSTEM FOR ENTERPRISE WIDE ELECTRONIC.
Docket No.: BEAS-91033US4
Enrial No.: Unknown
Confirm No. Unknown
Filed: Herewith Express Mail No.: EL622695252US
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Karl Kenna (415) 362-3800 Confirm No: Unknown Phone: Filed: Express Mail No.: EL622695252US Herewith Sheet 6 of 18 - 194 Message Enters the C-Hub's Transport Laver . Transport Layer Reads and Routes Message to 1910 it's Appropriate Business Protocol Handler +19B Scheduler Stores the Message Router Logic Plug-Ins Determine Trading 200 Partners to Whom Messages Should be Sent C-Hub Router Validates Message Recipients 202 and Stores Message for Delivery Filter Logic Plug-Ins Receive Message Destined for a Single Trading Partner Recipient and 204 Determines Whether to Send the Message C-Hub Scheduler Performs Operations Related to Quality of Service and Conversation 206 Coordination Encoder Performs Any Transformation of Message Required to Support the Business + 208 Protocol

Title: PLUGGABLE HUB SYSTEM FOR ENTERPRISE WIDE ELECTRONIC.

Agent:

Inventor(s): Rocky Stewart, et al.

Docket No.: BEAS-01033US4

Serial No.: Unknown

FIG. 7

Transport Layer Sends Message to Targeted

Trading Partner Recipient

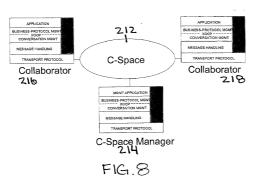
Trille PLUGGABLE HUB SYSTEM FOR ENTIERPRISE WIDE ELECTRONIC.

Dockel No.: BER 5-40 1033US4 | Inventoric?. Rocky Stewart, et al.

Serial No: Unknown | Agent. Karl Kenna
Confirm No: Unknown | Phone: (415) 362-3800

Filed: Herewith | Express Mail No.: EL622695252US

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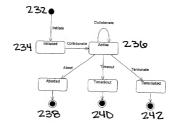


FIG. 9

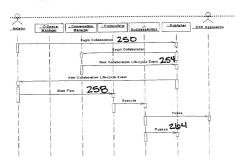


FIG. 10

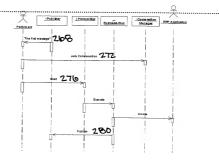
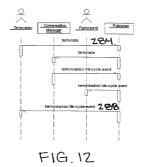


FIG.II



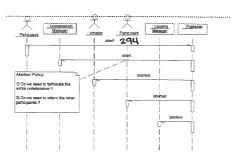
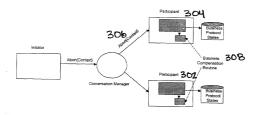


FIG.13

Title: PLUGGABLE HUB SYSTEM FOR ENTERPRISE WIDE ELECTRONIC.
Docket No.: BEAS-010331Vs4
Scrial No.: Unknown
Confirm No.: Unknown
Filed: Herewith
Strict No.: EL622695252US
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F1G.14

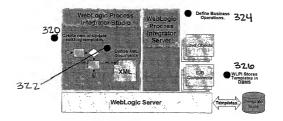


FIG. 15



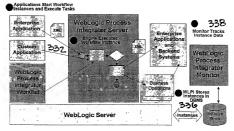


FIG. 16

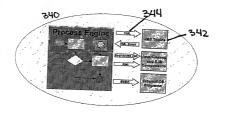


FIG. 17

Trite: PLUGGABLE HUB SYSTEM FOR ENTERPRISE WIDE ELECTRONIC.
Docket No. BEAS-01033US4 Inventor(s) Rockly Stewart, et al.
Serial No.: Discovery Common No. (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (19

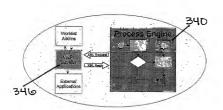


FIG. 18

Title: PLUGGABLEHUB SYSTEM FOR ENTERPRISE WIDE ELECTRONIC.
Docket No.: BEAS-01033US4
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Confirm No: Unknown
Confirm No: Unknown
Filed: Herewith
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c-hub ~510 512 c-space business-protocol conversation -516 518 sender -520 trading-partner 522 extended-property-set any trading-partner extended-property-set any message 528 message-part any

F1G.19

Title: PLUGGABLE HUB SYSTEM FOR ENTERPRISE WIDE ELECTRONIC...
Docket No.: BEAS-01033US4
Inventor(s): Rocky Stewart, et al.
Serial No.: Unknown Agent: Karl Kemia
Phone: (415) 362-3800
Flied: Herewith Express Mail No.: EL622695252US

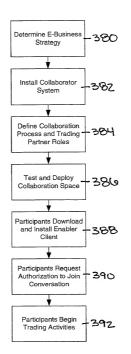


FIG. 20

Title: PLUGGABLE HUB SYSTEM FOR ENTERPRISE WIDE ELECTRONIC .. Docket No.: BEAS-01033US4 Inventor(s): Rocky Stewart, et al. Serial No.: Unknown Phone: (415) 362-3800 Express Mail No.: EL622695252US Sheet 15 of 18 Agent: Karl Kenna Phone: (415) 3 Confirm No: Unknown

410 Publish-Side Receive-Side C-Hub Router 416 C-Hub Trading Partner XPATH Filter XPATH 414 Router XOCP XOCP Routing 408 Filtering 418 Module Module Conversation Coordinator C-Hub XPATH Trading Partner XPATH Router Filter Repository C-Hub Scheduler 420 422 4 09785872.021601 RosettaNet XOCP RosettaNet XOCP MsqDecoder MsqDecoder MsgEncoder MsgEncoder C-Hub Transport Enabler XPATH Router

Herewith

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F1G.21

Outgoing Msg

462

Incoming Msg

Title: PLUGGABLE HUB SYSTEM FOR ENTERPRISE WIDE ELECTRONIC.
Dockot No.: BEAS-01033US4
Serial No.: Unknown
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Confirm No. Unknown
Filed: Herewith
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Filed: System (415) 362-3800
Filed: Express Mail No.: EL622695252US

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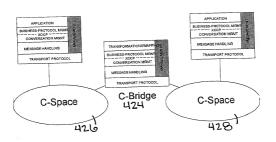


FIG. 22

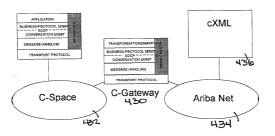


FIG. 23

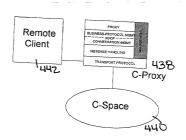


FIG. 24



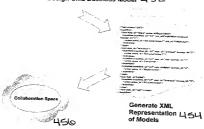


FIG. 25

Trile PLUGGABLE HUB SYSTEM FOR ENTERPRISE WIDE ELECTRONIC.
Docket No.: BEAS-01033US4 Inventor(3). Rocky Stewart, et al.
Serial No: Unknown Agent: Karl Kene
Confirm No: Unknown Phone: (415) 362-3800
Filed: Herewith Stewart Mail No: EL622695252US
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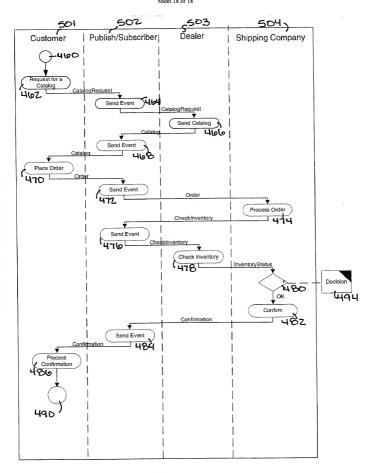


FIG. 26